

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2D-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2D-730-U-VWR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N47
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

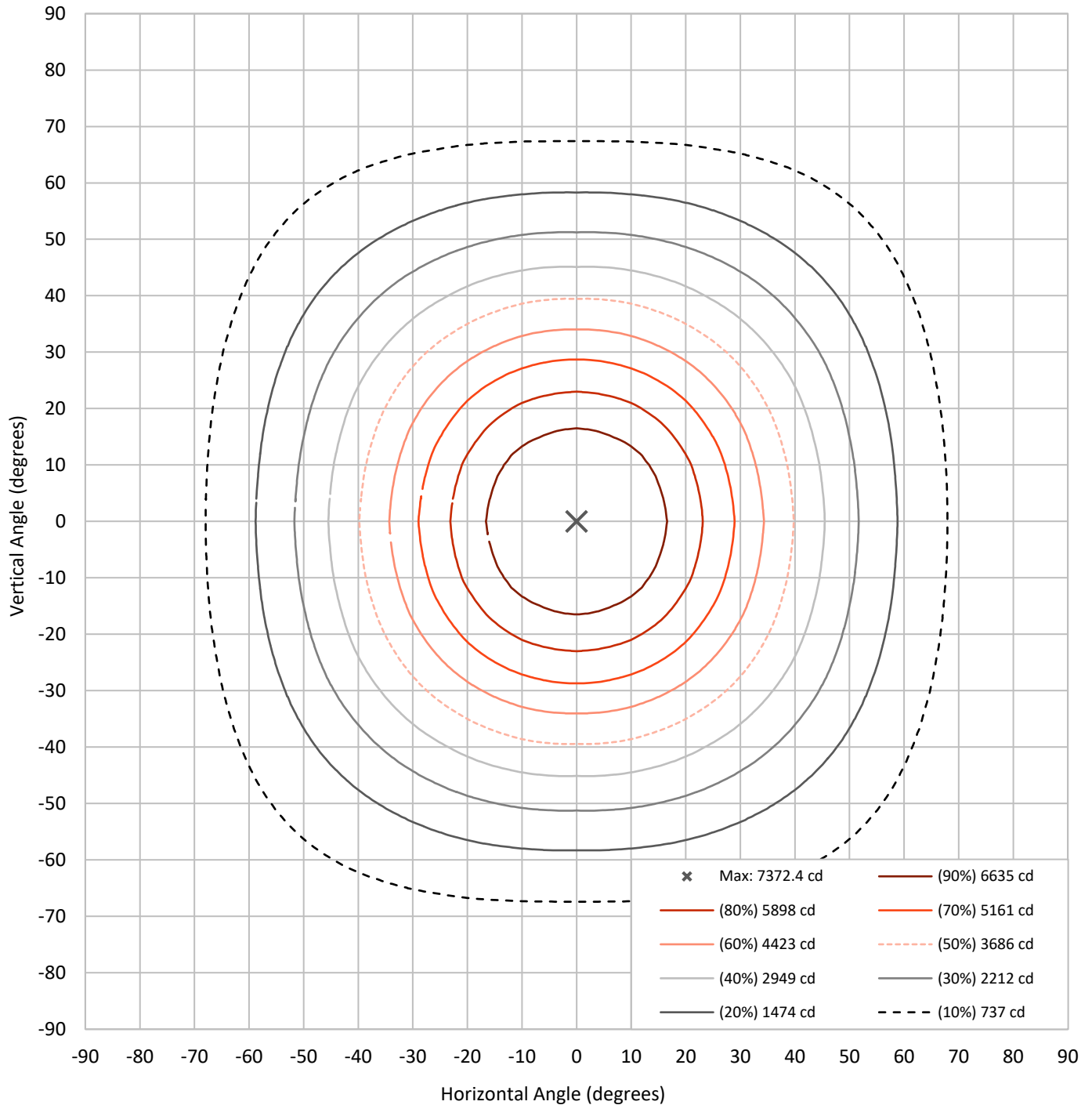
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	13325 lumens	Max Intensity:	7372.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	122.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	7815.2 lumens	Field Lumens:	12703.1 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	108.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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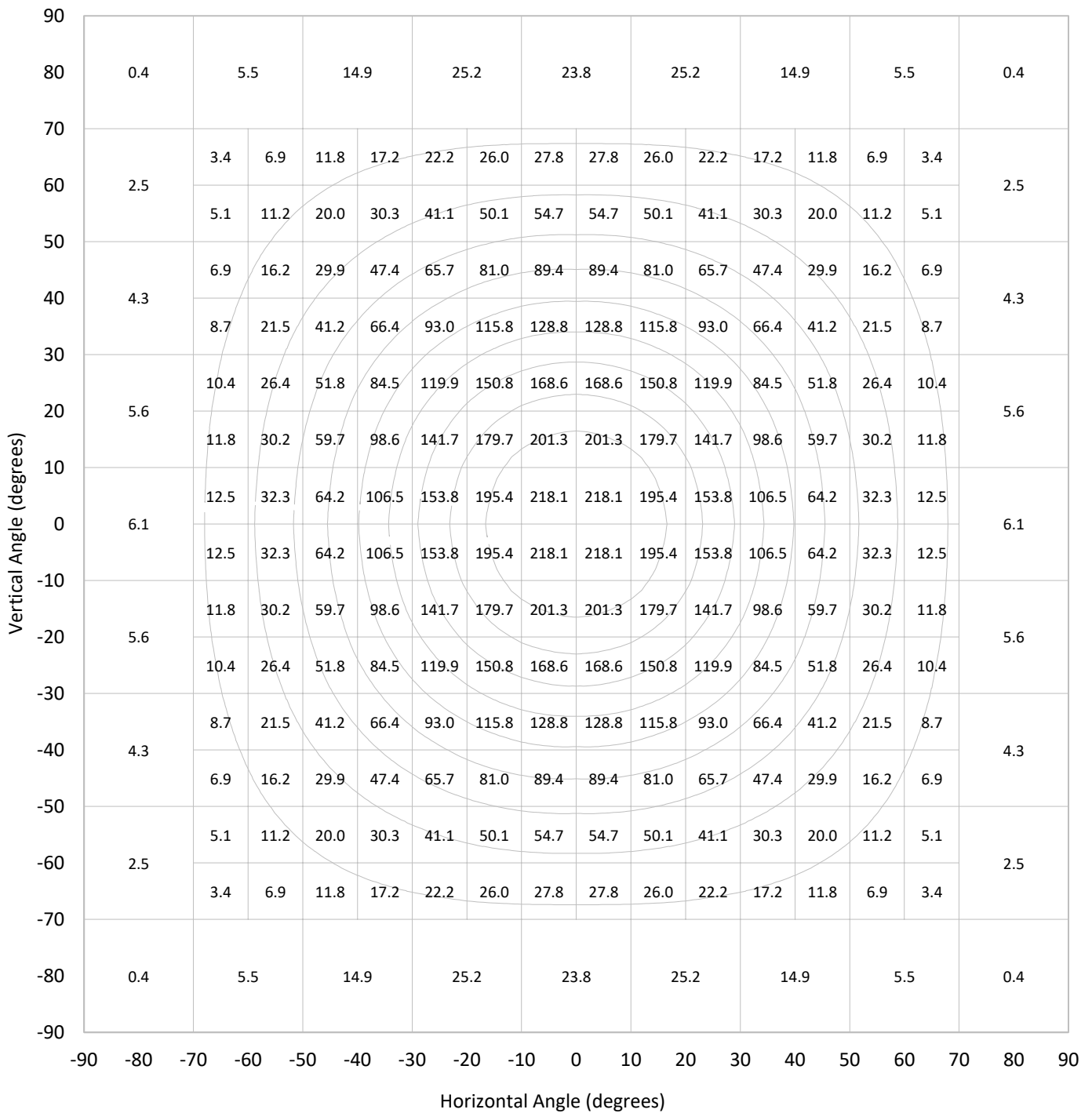
Iso-Candela Plot





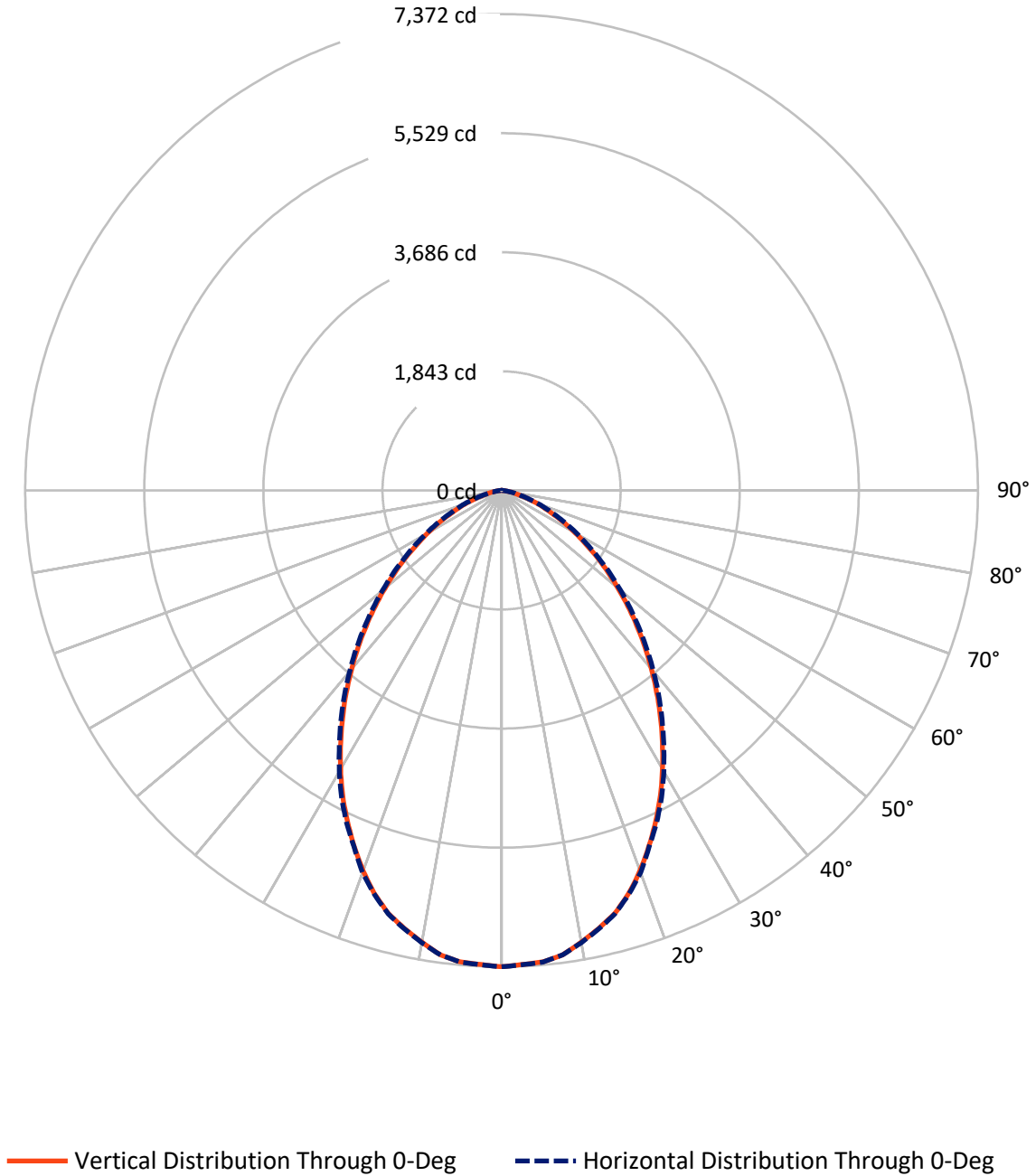
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Lumen Table



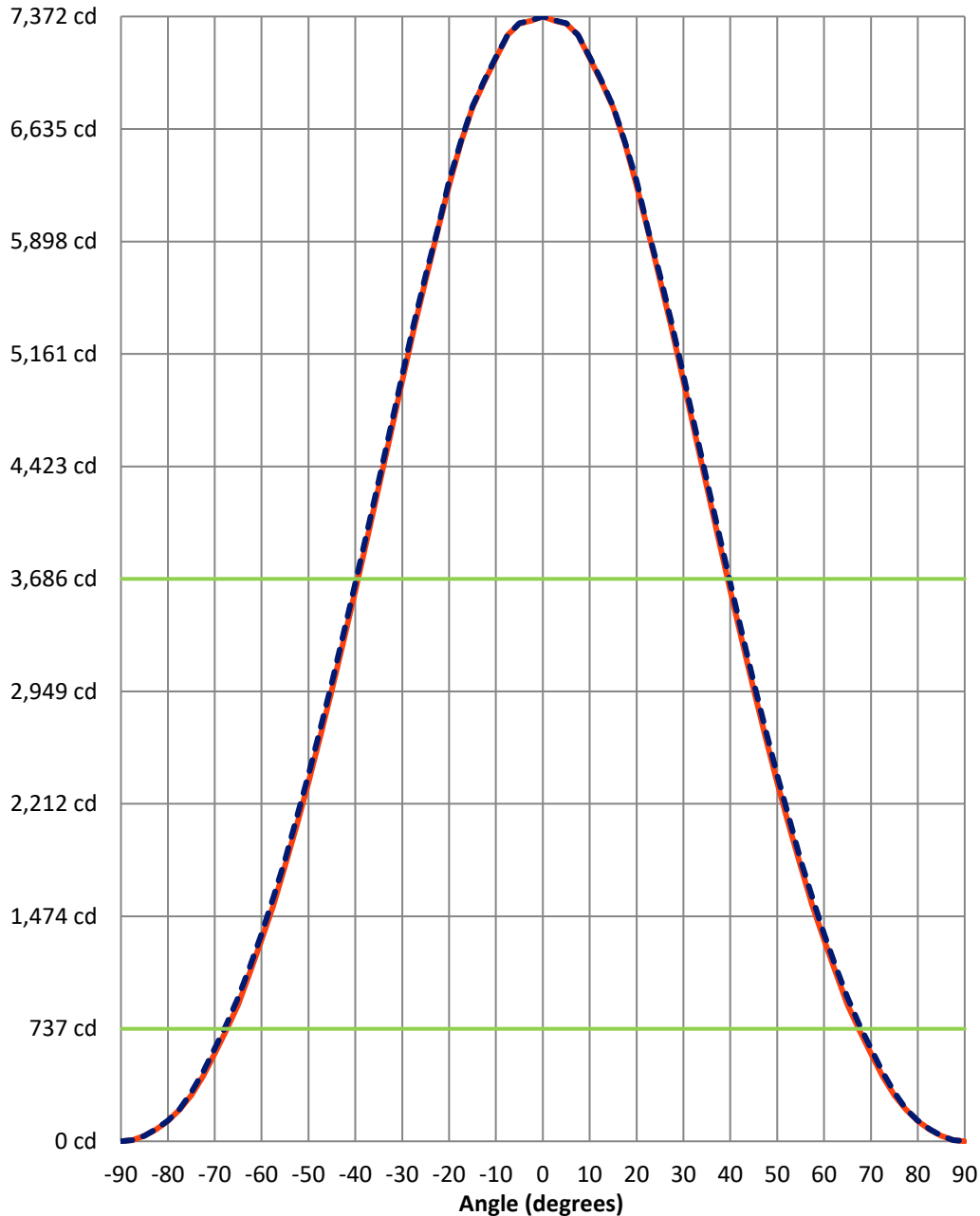
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 7815.2
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 12703.1
 Efficiency: 95.3%

Spill:
 Lumens: 621.9
 Efficiency: 4.7%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2	4.7
85°	0.0	0.8	1.9	2.9	3.9	4.8	5.7	6.7	7.6	8.5	9.4
82.5°	0.0	1.3	2.9	4.3	5.8	7.2	8.6	10.0	12.5	19.6	26.5
80°	0.0	1.7	3.8	5.8	7.7	9.6	12.9	23.0	32.6	41.9	50.8
77.5°	0.0	2.1	4.8	7.2	9.6	15.0	28.1	40.7	52.6	64.1	78.2
75°	0.0	2.5	5.7	8.6	12.5	25.9	42.9	58.4	73.2	93.7	115.5
72.5°	0.0	2.9	6.6	10.0	19.8	36.4	57.2	77.3	100.7	125.6	152.0
70°	0.0	3.3	7.5	12.0	26.9	46.6	71.5	100.1	127.6	157.0	191.2
67.5°	0.0	3.7	8.3	16.4	33.8	56.4	88.7	122.3	153.9	191.0	230.3
65°	0.0	4.0	9.2	20.6	40.3	67.3	105.2	144.0	182.4	224.0	266.8
62.5°	0.0	4.4	9.9	24.6	46.5	79.3	120.9	166.6	209.8	255.6	299.5
60°	0.0	4.8	10.7	28.4	52.3	90.7	135.6	189.0	236.3	285.1	331.7
57.5°	0.0	5.1	12.9	32.0	60.0	101.4	151.1	210.0	262.3	314.1	362.3
55°	0.0	5.4	15.0	35.4	67.5	111.3	165.8	228.0	288.0	342.1	391.6
52.5°	0.0	5.7	17.0	38.4	74.3	120.7	179.4	246.8	313.0	367.9	420.2
50°	0.0	6.0	18.9	41.3	80.7	130.7	191.9	264.6	336.8	393.0	453.0
47.5°	0.0	6.3	20.7	44.2	86.5	139.8	203.6	281.2	358.3	417.2	485.0
45°	0.0	6.6	22.5	48.0	91.7	148.1	216.6	296.5	375.1	444.7	515.8
42.5°	0.0	6.8	24.1	51.5	96.3	155.4	228.5	310.5	391.1	470.9	551.9
40°	0.0	7.0	25.7	55.1	100.9	161.8	239.3	323.9	407.8	495.5	587.1
37.5°	0.0	7.3	27.1	58.6	105.5	167.3	249.0	336.5	426.5	518.8	620.1
35°	0.0	7.5	28.5	61.9	109.4	173.6	257.5	348.4	444.8	545.7	653.4
32.5°	0.0	7.6	29.7	64.9	112.7	179.9	265.4	359.5	462.5	571.5	688.7
30°	0.0	7.8	30.9	67.7	115.4	185.3	273.6	370.6	479.5	596.1	721.6
27.5°	0.0	7.9	31.9	70.2	119.3	189.8	281.0	383.6	497.1	619.5	752.2
25°	0.0	8.1	32.8	72.4	123.1	193.3	287.5	395.6	515.4	643.4	780.5
22.5°	0.0	8.2	33.6	74.4	126.3	196.9	293.1	406.6	532.3	665.9	810.6
20°	0.0	8.2	34.3	76.1	129.1	201.8	297.7	416.5	547.6	686.1	837.6
17.5°	0.0	8.3	34.9	77.5	131.5	205.8	303.4	425.2	561.2	703.8	861.4
15°	0.0	8.4	35.4	78.7	133.4	208.9	309.3	433.5	573.1	718.9	881.9
12.5°	0.0	8.4	35.8	79.6	134.8	211.1	314.2	441.3	583.8	731.5	899.1
10°	0.0	8.4	36.0	80.2	135.8	212.5	317.9	447.3	593.1	743.4	913.6
7.5°	0.0	8.4	36.1	80.6	136.4	213.1	320.4	451.5	600.2	752.9	926.1
5°	0.0	8.4	36.2	80.7	136.5	212.8	321.7	453.9	605.1	759.8	935.1
2.5°	0.0	8.4	36.1	80.5	136.2	211.8	321.7	454.5	607.7	764.0	940.5
0°	0.0	8.3	35.9	80.1	135.4	210.0	320.5	453.2	607.9	765.4	942.3
-2.5°	0.0	8.4	36.1	80.5	136.2	211.8	321.7	454.5	607.7	764.0	940.5
-5°	0.0	8.4	36.2	80.7	136.5	212.8	321.7	453.9	605.1	759.8	935.1
-7.5°	0.0	8.4	36.1	80.6	136.4	213.1	320.4	451.5	600.2	752.9	926.1
-10°	0.0	8.4	36.0	80.2	135.8	212.5	317.9	447.3	593.1	743.4	913.6
-12.5°	0.0	8.4	35.8	79.6	134.8	211.1	314.2	441.3	583.8	731.5	899.1
-15°	0.0	8.4	35.4	78.7	133.4	208.9	309.3	433.5	573.1	718.9	881.9
-17.5°	0.0	8.3	34.9	77.5	131.5	205.8	303.4	425.2	561.2	703.8	861.4
-20°	0.0	8.2	34.3	76.1	129.1	201.8	297.7	416.5	547.6	686.1	837.6

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.2	33.6	74.4	126.3	196.9	293.1	406.6	532.3	665.9	810.6
-25°	0.0	8.1	32.8	72.4	123.1	193.3	287.5	395.6	515.4	643.4	780.5
-27.5°	0.0	7.9	31.9	70.2	119.3	189.8	281.0	383.6	497.1	619.5	752.2
-30°	0.0	7.8	30.9	67.7	115.4	185.3	273.6	370.6	479.5	596.1	721.6
-32.5°	0.0	7.6	29.7	64.9	112.7	179.9	265.4	359.5	462.5	571.5	688.7
-35°	0.0	7.5	28.5	61.9	109.4	173.6	257.5	348.4	444.8	545.7	653.4
-37.5°	0.0	7.3	27.1	58.6	105.5	167.3	249.0	336.5	426.5	518.8	620.1
-40°	0.0	7.0	25.7	55.1	100.9	161.8	239.3	323.9	407.8	495.5	587.1
-42.5°	0.0	6.8	24.1	51.5	96.3	155.4	228.5	310.5	391.1	470.9	551.9
-45°	0.0	6.6	22.5	48.0	91.7	148.1	216.6	296.5	375.1	444.7	515.8
-47.5°	0.0	6.3	20.7	44.2	86.5	139.8	203.6	281.2	358.3	417.2	485.0
-50°	0.0	6.0	18.9	41.3	80.7	130.7	191.9	264.6	336.8	393.0	453.0
-52.5°	0.0	5.7	17.0	38.4	74.3	120.7	179.4	246.8	313.0	367.9	420.2
-55°	0.0	5.4	15.0	35.4	67.5	111.3	165.8	228.0	288.0	342.1	391.6
-57.5°	0.0	5.1	12.9	32.0	60.0	101.4	151.1	210.0	262.3	314.1	362.3
-60°	0.0	4.8	10.7	28.4	52.3	90.7	135.6	189.0	236.3	285.1	331.7
-62.5°	0.0	4.4	9.9	24.6	46.5	79.3	120.9	166.6	209.8	255.6	299.5
-65°	0.0	4.0	9.2	20.6	40.3	67.3	105.2	144.0	182.4	224.0	266.8
-67.5°	0.0	3.7	8.3	16.4	33.8	56.4	88.7	122.3	153.9	191.0	230.3
-70°	0.0	3.3	7.5	12.0	26.9	46.6	71.5	100.1	127.6	157.0	191.2
-72.5°	0.0	2.9	6.6	10.0	19.8	36.4	57.2	77.3	100.7	125.6	152.0
-75°	0.0	2.5	5.7	8.6	12.5	25.9	42.9	58.4	73.2	93.7	115.5
-77.5°	0.0	2.1	4.8	7.2	9.6	15.0	28.1	40.7	52.6	64.1	78.2
-80°	0.0	1.7	3.8	5.8	7.7	9.6	12.9	23.0	32.6	41.9	50.8
-82.5°	0.0	1.3	2.9	4.3	5.8	7.2	8.6	10.0	12.5	19.6	26.5
-85°	0.0	0.8	1.9	2.9	3.9	4.8	5.7	6.7	7.6	8.5	9.4
-87.5°	0.0	0.4	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	6.2	7.0	7.9	8.0	8.0	8.0	7.9	8.2	8.5	8.8
85°	10.8	12.4	17.2	21.9	24.1	25.5	26.2	26.1	30.3	35.2	40.5
82.5°	33.6	40.6	47.2	53.5	55.1	55.1	54.6	54.8	64.7	76.1	87.8
80°	59.9	68.7	80.3	90.7	95.2	97.5	98.6	98.4	111.0	127.7	145.3
77.5°	95.0	109.8	122.7	133.6	139.5	144.7	149.0	152.2	168.4	189.6	210.6
75°	135.0	151.2	167.4	181.4	191.3	198.6	205.3	216.3	237.4	262.1	283.6
72.5°	177.2	197.9	215.9	231.2	245.0	259.6	276.0	294.0	316.3	341.0	363.5
70°	222.3	245.1	263.9	282.3	301.0	323.0	347.6	371.8	396.8	424.0	450.2
67.5°	266.4	288.4	310.5	333.7	361.8	391.2	420.3	453.7	487.8	518.1	545.1
65°	304.7	330.5	358.2	389.7	424.4	461.7	500.6	540.6	583.9	620.3	653.4
62.5°	341.3	372.3	406.0	445.2	489.5	533.7	583.2	633.4	682.1	724.9	764.5
60°	375.0	412.5	455.1	503.2	555.0	613.7	670.1	727.1	780.6	829.1	879.1
57.5°	407.8	455.0	506.2	563.9	629.3	695.3	761.6	822.9	883.5	942.5	999.1
55°	442.5	499.4	560.2	631.1	704.8	782.9	854.3	922.7	989.4	1061.1	1129.2
52.5°	480.7	544.2	620.4	699.7	784.9	868.7	947.1	1025.1	1105.7	1186.8	1275.5
50°	517.5	596.8	680.2	772.4	864.5	954.3	1044.2	1134.0	1230.6	1330.1	1430.5
47.5°	560.6	647.1	745.7	844.6	945.1	1045.0	1145.3	1253.8	1363.5	1478.9	1590.0
45°	604.1	701.4	807.7	919.5	1028.2	1138.8	1256.0	1376.0	1504.7	1631.5	1765.2
42.5°	645.4	755.4	872.5	993.2	1114.3	1237.8	1366.7	1506.8	1647.5	1793.7	1940.7
40°	691.2	806.7	935.9	1068.9	1200.2	1337.2	1484.4	1636.2	1795.3	1956.2	2115.7
37.5°	735.2	862.2	997.9	1141.1	1288.4	1439.0	1598.9	1771.1	1943.7	2116.9	2292.8
35°	776.4	914.8	1061.8	1213.8	1370.1	1541.2	1720.0	1903.9	2090.9	2278.1	2467.3
32.5°	818.8	964.3	1122.8	1285.5	1457.7	1641.2	1837.1	2036.4	2235.5	2435.4	2642.6
30°	861.2	1016.3	1182.0	1353.3	1541.6	1741.7	1952.1	2163.2	2373.8	2593.8	2814.6
27.5°	901.4	1065.7	1240.0	1423.4	1622.0	1834.6	2058.1	2284.2	2511.4	2745.3	2980.8
25°	938.3	1112.4	1294.0	1490.8	1701.4	1924.1	2157.0	2392.9	2642.0	2892.3	3138.2
22.5°	974.4	1155.3	1343.9	1552.9	1773.3	2007.2	2249.6	2498.8	2759.1	3027.9	3282.4
20°	1009.1	1196.2	1392.5	1609.2	1837.6	2082.0	2333.9	2594.8	2867.9	3143.8	3417.6
17.5°	1039.9	1232.5	1437.7	1661.8	1899.1	2150.4	2409.8	2679.3	2964.5	3250.6	3540.6
15°	1066.7	1264.2	1476.8	1707.8	1953.5	2212.5	2480.2	2757.4	3050.0	3347.8	3649.3
12.5°	1089.3	1290.9	1509.8	1746.8	1999.5	2265.8	2540.8	2827.7	3128.1	3434.3	3744.6
10°	1107.8	1312.7	1536.5	1778.8	2037.2	2309.9	2590.6	2885.6	3195.1	3507.9	3824.7
7.5°	1123.4	1330.9	1557.7	1803.4	2066.2	2344.3	2629.5	2930.8	3248.4	3565.3	3889.1
5°	1134.8	1345.6	1577.1	1824.0	2091.4	2371.3	2658.9	2963.0	3287.4	3606.2	3935.8
2.5°	1141.7	1355.2	1590.4	1837.4	2111.2	2391.5	2685.0	2991.4	3315.9	3638.6	3970.8
0°	1144.0	1359.5	1597.2	1843.1	2122.2	2401.3	2699.7	3006.4	3329.7	3658.6	3992.9
-2.5°	1141.7	1355.2	1590.4	1837.4	2111.2	2391.5	2685.0	2991.4	3315.9	3638.6	3970.8
-5°	1134.8	1345.6	1577.1	1824.0	2091.4	2371.3	2658.9	2963.0	3287.4	3606.2	3935.8
-7.5°	1123.4	1330.9	1557.7	1803.4	2066.2	2344.3	2629.5	2930.8	3248.4	3565.3	3889.1
-10°	1107.8	1312.7	1536.5	1778.8	2037.2	2309.9	2590.6	2885.6	3195.1	3507.9	3824.7
-12.5°	1089.3	1290.9	1509.8	1746.8	1999.5	2265.8	2540.8	2827.7	3128.1	3434.3	3744.6
-15°	1066.7	1264.2	1476.8	1707.8	1953.5	2212.5	2480.2	2757.4	3050.0	3347.8	3649.3
-17.5°	1039.9	1232.5	1437.7	1661.8	1899.1	2150.4	2409.8	2679.3	2964.5	3250.6	3540.6
-20°	1009.1	1196.2	1392.5	1609.2	1837.6	2082.0	2333.9	2594.8	2867.9	3143.8	3417.6



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	974.4	1155.3	1343.9	1552.9	1773.3	2007.2	2249.6	2498.8	2759.1	3027.9	3282.4
-25°	938.3	1112.4	1294.0	1490.8	1701.4	1924.1	2157.0	2392.9	2642.0	2892.3	3138.2
-27.5°	901.4	1065.7	1240.0	1423.4	1622.0	1834.6	2058.1	2284.2	2511.4	2745.3	2980.8
-30°	861.2	1016.3	1182.0	1353.3	1541.6	1741.7	1952.1	2163.2	2373.8	2593.8	2814.6
-32.5°	818.8	964.3	1122.8	1285.5	1457.7	1641.2	1837.1	2036.4	2235.5	2435.4	2642.6
-35°	776.4	914.8	1061.8	1213.8	1370.1	1541.2	1720.0	1903.9	2090.9	2278.1	2467.3
-37.5°	735.2	862.2	997.9	1141.1	1288.4	1439.0	1598.9	1771.1	1943.7	2116.9	2292.8
-40°	691.2	806.7	935.9	1068.9	1200.2	1337.2	1484.4	1636.2	1795.3	1956.2	2115.7
-42.5°	645.4	755.4	872.5	993.2	1114.3	1237.8	1366.7	1506.8	1647.5	1793.7	1940.7
-45°	604.1	701.4	807.7	919.5	1028.2	1138.8	1256.0	1376.0	1504.7	1631.5	1765.2
-47.5°	560.6	647.1	745.7	844.6	945.1	1045.0	1145.3	1253.8	1363.5	1478.9	1590.0
-50°	517.5	596.8	680.2	772.4	864.5	954.3	1044.2	1134.0	1230.6	1330.1	1430.5
-52.5°	480.7	544.2	620.4	699.7	784.9	868.7	947.1	1025.1	1105.7	1186.8	1275.5
-55°	442.5	499.4	560.2	631.1	704.8	782.9	854.3	922.7	989.4	1061.1	1129.2
-57.5°	407.8	455.0	506.2	563.9	629.3	695.3	761.6	822.9	883.5	942.5	999.1
-60°	375.0	412.5	455.1	503.2	555.0	613.7	670.1	727.1	780.6	829.1	879.1
-62.5°	341.3	372.3	406.0	445.2	489.5	533.7	583.2	633.4	682.1	724.9	764.5
-65°	304.7	330.5	358.2	389.7	424.4	461.7	500.6	540.6	583.9	620.3	653.4
-67.5°	266.4	288.4	310.5	333.7	361.8	391.2	420.3	453.7	487.8	518.1	545.1
-70°	222.3	245.1	263.9	282.3	301.0	323.0	347.6	371.8	396.8	424.0	450.2
-72.5°	177.2	197.9	215.9	231.2	245.0	259.6	276.0	294.0	316.3	341.0	363.5
-75°	135.0	151.2	167.4	181.4	191.3	198.6	205.3	216.3	237.4	262.1	283.6
-77.5°	95.0	109.8	122.7	133.6	139.5	144.7	149.0	152.2	168.4	189.6	210.6
-80°	59.9	68.7	80.3	90.7	95.2	97.5	98.6	98.4	111.0	127.7	145.3
-82.5°	33.6	40.6	47.2	53.5	55.1	55.1	54.6	54.8	64.7	76.1	87.8
-85°	10.8	12.4	17.2	21.9	24.1	25.5	26.2	26.1	30.3	35.2	40.5
-87.5°	5.4	6.2	7.0	7.9	8.0	8.0	8.0	7.9	8.2	8.5	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.1	9.4	9.6	9.8	10.1	10.3	10.4	10.6	10.7	10.2	9.6
85°	46.2	49.4	52.5	55.4	58.2	60.8	63.3	65.5	67.6	61.8	55.3
82.5°	99.7	107.7	115.3	122.8	130.3	132.2	132.8	132.6	131.6	121.3	109.8
80°	162.7	176.2	189.0	201.7	214.2	215.6	214.2	211.6	208.0	194.4	179.1
77.5°	231.5	248.6	263.5	277.2	289.7	292.0	291.7	291.0	290.0	276.2	259.5
75°	302.0	318.7	334.8	348.5	359.9	365.2	367.7	369.6	370.6	360.7	347.7
72.5°	383.8	401.2	415.4	428.7	439.9	448.0	453.9	458.3	461.3	458.3	453.0
70°	472.5	491.2	506.8	521.8	537.1	549.3	558.5	565.2	569.5	572.2	574.2
67.5°	572.5	597.5	619.3	637.9	656.3	673.6	687.8	699.4	708.4	716.0	721.8
65°	685.1	717.0	745.3	771.3	795.1	820.2	840.8	858.0	871.9	883.4	892.6
62.5°	803.4	842.6	878.9	914.2	948.8	982.8	1008.9	1032.7	1053.9	1072.1	1086.5
60°	926.4	970.9	1019.7	1066.2	1109.1	1148.3	1187.2	1220.9	1249.7	1273.6	1292.9
57.5°	1058.6	1116.2	1173.2	1231.1	1285.7	1336.9	1384.8	1427.0	1462.7	1492.0	1516.6
55°	1201.4	1273.4	1339.6	1412.6	1483.1	1547.3	1603.8	1653.4	1696.4	1732.4	1762.9
52.5°	1358.4	1445.9	1531.9	1614.9	1694.9	1769.4	1837.1	1894.9	1946.4	1990.5	2025.6
50°	1530.2	1630.4	1730.0	1822.3	1914.3	2000.1	2077.7	2144.8	2204.6	2256.5	2297.3
47.5°	1709.9	1823.9	1935.1	2040.8	2142.6	2238.0	2322.0	2398.5	2473.1	2534.0	2582.2
45°	1896.4	2024.3	2147.0	2267.9	2380.0	2486.9	2590.5	2685.8	2762.4	2829.5	2885.8
42.5°	2085.3	2227.9	2365.3	2497.2	2620.5	2744.1	2860.7	2964.8	3052.2	3128.4	3192.4
40°	2276.5	2432.7	2584.1	2727.9	2868.8	3003.7	3129.7	3239.5	3338.1	3428.7	3504.1
37.5°	2466.8	2638.7	2806.4	2967.5	3122.7	3268.7	3404.9	3529.1	3640.3	3743.4	3827.2
35°	2658.0	2846.6	3030.2	3207.5	3376.9	3538.1	3687.2	3828.5	3959.5	4064.0	4149.7
32.5°	2848.5	3051.2	3251.0	3446.2	3631.6	3805.4	3966.9	4123.0	4257.8	4372.7	4471.2
30°	3032.8	3252.4	3470.0	3681.6	3881.9	4070.2	4249.1	4414.1	4559.1	4684.7	4795.2
27.5°	3213.6	3449.5	3683.0	3909.1	4125.7	4330.2	4525.5	4704.5	4862.6	4999.1	5115.7
25°	3384.5	3638.1	3886.9	4126.6	4358.0	4583.7	4794.5	4989.8	5158.7	5308.7	5428.4
22.5°	3547.8	3818.2	4079.7	4331.9	4579.4	4822.6	5053.4	5257.3	5436.4	5593.1	5725.6
20°	3699.9	3989.7	4257.3	4523.9	4784.6	5044.3	5292.1	5507.3	5696.8	5863.6	6009.7
17.5°	3842.1	4139.4	4421.1	4704.9	4979.7	5252.1	5504.0	5734.6	5939.0	6116.1	6269.2
15°	3962.5	4262.7	4570.3	4873.4	5163.2	5439.1	5690.7	5931.5	6158.5	6350.1	6505.2
12.5°	4060.0	4372.2	4693.1	5014.9	5321.4	5596.8	5860.2	6104.6	6343.0	6558.1	6700.7
10°	4143.1	4464.5	4795.8	5124.0	5434.6	5726.1	6012.4	6270.7	6505.0	6697.7	6857.0
7.5°	4214.9	4546.0	4882.5	5211.2	5520.7	5821.9	6116.7	6391.0	6627.6	6809.1	6951.2
5°	4267.9	4606.8	4949.8	5281.5	5595.4	5897.6	6193.7	6464.6	6695.5	6880.2	7035.2
2.5°	4305.7	4647.9	4993.4	5325.5	5646.4	5949.3	6252.8	6526.8	6750.4	6919.6	7067.9
0°	4330.0	4672.7	5020.9	5360.7	5675.7	5968.7	6294.7	6551.7	6783.8	6952.4	7107.1
-2.5°	4305.7	4647.9	4993.4	5325.5	5646.4	5949.3	6252.8	6526.8	6750.4	6919.6	7067.9
-5°	4267.9	4606.8	4949.8	5281.5	5595.4	5897.6	6193.7	6464.6	6695.5	6880.2	7035.2
-7.5°	4214.9	4546.0	4882.5	5211.2	5520.7	5821.9	6116.7	6391.0	6627.6	6809.1	6951.2
-10°	4143.1	4464.5	4795.8	5124.0	5434.6	5726.1	6012.4	6270.7	6505.0	6697.7	6857.0
-12.5°	4060.0	4372.2	4693.1	5014.9	5321.4	5596.8	5860.2	6104.6	6343.0	6558.1	6700.7
-15°	3962.5	4262.7	4570.3	4873.4	5163.2	5439.1	5690.7	5931.5	6158.5	6350.1	6505.2
-17.5°	3842.1	4139.4	4421.1	4704.9	4979.7	5252.1	5504.0	5734.6	5939.0	6116.1	6269.2
-20°	3699.9	3989.7	4257.3	4523.9	4784.6	5044.3	5292.1	5507.3	5696.8	5863.6	6009.7

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3547.8	3818.2	4079.7	4331.9	4579.4	4822.6	5053.4	5257.3	5436.4	5593.1	5725.6
-25°	3384.5	3638.1	3886.9	4126.6	4358.0	4583.7	4794.5	4989.8	5158.7	5308.7	5428.4
-27.5°	3213.6	3449.5	3683.0	3909.1	4125.7	4330.2	4525.5	4704.5	4862.6	4999.1	5115.7
-30°	3032.8	3252.4	3470.0	3681.6	3881.9	4070.2	4249.1	4414.1	4559.1	4684.7	4795.2
-32.5°	2848.5	3051.2	3251.0	3446.2	3631.6	3805.4	3966.9	4123.0	4257.8	4372.7	4471.2
-35°	2658.0	2846.6	3030.2	3207.5	3376.9	3538.1	3687.2	3828.5	3959.5	4064.0	4149.7
-37.5°	2466.8	2638.7	2806.4	2967.5	3122.7	3268.7	3404.9	3529.1	3640.3	3743.4	3827.2
-40°	2276.5	2432.7	2584.1	2727.9	2868.8	3003.7	3129.7	3239.5	3338.1	3428.7	3504.1
-42.5°	2085.3	2227.9	2365.3	2497.2	2620.5	2744.1	2860.7	2964.8	3052.2	3128.4	3192.4
-45°	1896.4	2024.3	2147.0	2267.9	2380.0	2486.9	2590.5	2685.8	2762.4	2829.5	2885.8
-47.5°	1709.9	1823.9	1935.1	2040.8	2142.6	2238.0	2322.0	2398.5	2473.1	2534.0	2582.2
-50°	1530.2	1630.4	1730.0	1822.3	1914.3	2000.1	2077.7	2144.8	2204.6	2256.5	2297.3
-52.5°	1358.4	1445.9	1531.9	1614.9	1694.9	1769.4	1837.1	1894.9	1946.4	1990.5	2025.6
-55°	1201.4	1273.4	1339.6	1412.6	1483.1	1547.3	1603.8	1653.4	1696.4	1732.4	1762.9
-57.5°	1058.6	1116.2	1173.2	1231.1	1285.7	1336.9	1384.8	1427.0	1462.7	1492.0	1516.6
-60°	926.4	970.9	1019.7	1066.2	1109.1	1148.3	1187.2	1220.9	1249.7	1273.6	1292.9
-62.5°	803.4	842.6	878.9	914.2	948.8	982.8	1008.9	1032.7	1053.9	1072.1	1086.5
-65°	685.1	717.0	745.3	771.3	795.1	820.2	840.8	858.0	871.9	883.4	892.6
-67.5°	572.5	597.5	619.3	637.9	656.3	673.6	687.8	699.4	708.4	716.0	721.8
-70°	472.5	491.2	506.8	521.8	537.1	549.3	558.5	565.2	569.5	572.2	574.2
-72.5°	383.8	401.2	415.4	428.7	439.9	448.0	453.9	458.3	461.3	458.3	453.0
-75°	302.0	318.7	334.8	348.5	359.9	365.2	367.7	369.6	370.6	360.7	347.7
-77.5°	231.5	248.6	263.5	277.2	289.7	292.0	291.7	291.0	290.0	276.2	259.5
-80°	162.7	176.2	189.0	201.7	214.2	215.6	214.2	211.6	208.0	194.4	179.1
-82.5°	99.7	107.7	115.3	122.8	130.3	132.2	132.8	132.6	131.6	121.3	109.8
-85°	46.2	49.4	52.5	55.4	58.2	60.8	63.3	65.5	67.6	61.8	55.3
-87.5°	9.1	9.4	9.6	9.8	10.1	10.3	10.4	10.6	10.7	10.2	9.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	8.3	8.3	8.3	8.3	8.3	8.9	9.6	10.2	10.7	10.6
85°	48.4	41.2	38.6	35.9	38.6	41.2	48.4	55.3	61.8	67.6	65.5
82.5°	97.9	85.4	81.5	77.4	81.5	85.4	97.9	109.8	121.3	131.6	132.6
80°	163.0	146.1	139.4	132.6	139.4	146.1	163.0	179.1	194.4	208.0	211.6
77.5°	241.8	223.3	215.3	207.2	215.3	223.3	241.8	259.5	276.2	290.0	291.0
75°	334.0	319.4	310.6	301.2	310.6	319.4	334.0	347.7	360.7	370.6	369.6
72.5°	446.9	439.8	433.4	425.5	433.4	439.8	446.9	453.0	458.3	461.3	458.3
70°	574.8	573.9	575.1	574.8	575.1	573.9	574.8	574.2	572.2	569.5	565.2
67.5°	724.8	725.0	728.1	729.5	728.1	725.0	724.8	721.8	716.0	708.4	699.4
65°	898.3	900.5	899.7	895.3	899.7	900.5	898.3	892.6	883.4	871.9	858.0
62.5°	1096.8	1102.8	1106.1	1105.3	1106.1	1102.8	1096.8	1086.5	1072.1	1053.9	1032.7
60°	1307.3	1316.6	1321.3	1320.8	1321.3	1316.6	1307.3	1292.9	1273.6	1249.7	1220.9
57.5°	1534.9	1546.9	1549.7	1544.7	1549.7	1546.9	1534.9	1516.6	1492.0	1462.7	1427.0
55°	1786.0	1801.3	1807.2	1804.4	1807.2	1801.3	1786.0	1762.9	1732.4	1696.4	1653.4
52.5°	2051.4	2068.0	2073.9	2069.7	2073.9	2068.0	2051.4	2025.6	1990.5	1946.4	1894.9
50°	2327.2	2347.3	2355.4	2351.5	2355.4	2347.3	2327.2	2297.3	2256.5	2204.6	2144.8
47.5°	2619.9	2646.6	2657.0	2650.0	2657.0	2646.6	2619.9	2582.2	2534.0	2473.1	2398.5
45°	2927.9	2955.6	2966.4	2959.5	2966.4	2955.6	2927.9	2885.8	2829.5	2762.4	2685.8
42.5°	3241.4	3277.4	3292.6	3280.0	3292.6	3277.4	3241.4	3192.4	3128.4	3052.2	2964.8
40°	3560.4	3599.5	3617.5	3608.8	3617.5	3599.5	3560.4	3504.1	3428.7	3338.1	3239.5
37.5°	3887.7	3926.6	3945.7	3945.9	3945.7	3926.6	3887.7	3827.2	3743.4	3640.3	3529.1
35°	4216.1	4263.2	4289.9	4288.6	4289.9	4263.2	4216.1	4149.7	4064.0	3959.5	3828.5
32.5°	4549.2	4600.1	4627.4	4631.2	4627.4	4600.1	4549.2	4471.2	4372.7	4257.8	4123.0
30°	4881.6	4937.7	4969.3	4982.2	4969.3	4937.7	4881.6	4795.2	4684.7	4559.1	4414.1
27.5°	5204.1	5273.1	5320.7	5324.8	5320.7	5273.1	5204.1	5115.7	4999.1	4862.6	4704.5
25°	5516.3	5586.6	5635.4	5645.4	5635.4	5586.6	5516.3	5428.4	5308.7	5158.7	4989.8
22.5°	5824.1	5897.5	5942.6	5960.4	5942.6	5897.5	5824.1	5725.6	5593.1	5436.4	5257.3
20°	6117.9	6197.5	6245.3	6264.3	6245.3	6197.5	6117.9	6009.7	5863.6	5696.8	5507.3
17.5°	6383.7	6467.8	6526.8	6543.4	6526.8	6467.8	6383.7	6269.2	6116.1	5939.0	5734.6
15°	6617.6	6697.4	6753.4	6775.5	6753.4	6697.4	6617.6	6505.2	6350.1	6158.5	5931.5
12.5°	6808.0	6879.4	6923.3	6944.1	6923.3	6879.4	6808.0	6700.7	6558.1	6343.0	6104.6
10°	6956.8	7028.3	7070.3	7098.8	7070.3	7028.3	6956.8	6857.0	6697.7	6505.0	6270.7
7.5°	7085.9	7159.2	7210.5	7250.8	7210.5	7159.2	7085.9	6951.2	6809.1	6627.6	6391.0
5°	7157.1	7279.6	7298.0	7325.4	7298.0	7279.6	7157.1	7035.2	6880.2	6695.5	6464.6
2.5°	7211.5	7298.3	7350.5	7344.8	7350.5	7298.3	7211.5	7067.9	6919.6	6750.4	6526.8
0°	7250.8	7328.2	7347.5	7372.4	7347.5	7328.2	7250.8	7107.1	6952.4	6783.8	6551.7
-2.5°	7211.5	7298.3	7350.5	7344.8	7350.5	7298.3	7211.5	7067.9	6919.6	6750.4	6526.8
-5°	7157.1	7279.6	7298.0	7325.4	7298.0	7279.6	7157.1	7035.2	6880.2	6695.5	6464.6
-7.5°	7085.9	7159.2	7210.5	7250.8	7210.5	7159.2	7085.9	6951.2	6809.1	6627.6	6391.0
-10°	6956.8	7028.3	7070.3	7098.8	7070.3	7028.3	6956.8	6857.0	6697.7	6505.0	6270.7
-12.5°	6808.0	6879.4	6923.3	6944.1	6923.3	6879.4	6808.0	6700.7	6558.1	6343.0	6104.6
-15°	6617.6	6697.4	6753.4	6775.5	6753.4	6697.4	6617.6	6505.2	6350.1	6158.5	5931.5
-17.5°	6383.7	6467.8	6526.8	6543.4	6526.8	6467.8	6383.7	6269.2	6116.1	5939.0	5734.6
-20°	6117.9	6197.5	6245.3	6264.3	6245.3	6197.5	6117.9	6009.7	5863.6	5696.8	5507.3



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5824.1	5897.5	5942.6	5960.4	5942.6	5897.5	5824.1	5725.6	5593.1	5436.4	5257.3
-25°	5516.3	5586.6	5635.4	5645.4	5635.4	5586.6	5516.3	5428.4	5308.7	5158.7	4989.8
-27.5°	5204.1	5273.1	5320.7	5324.8	5320.7	5273.1	5204.1	5115.7	4999.1	4862.6	4704.5
-30°	4881.6	4937.7	4969.3	4982.2	4969.3	4937.7	4881.6	4795.2	4684.7	4559.1	4414.1
-32.5°	4549.2	4600.1	4627.4	4631.2	4627.4	4600.1	4549.2	4471.2	4372.7	4257.8	4123.0
-35°	4216.1	4263.2	4289.9	4288.6	4289.9	4263.2	4216.1	4149.7	4064.0	3959.5	3828.5
-37.5°	3887.7	3926.6	3945.7	3945.9	3945.7	3926.6	3887.7	3827.2	3743.4	3640.3	3529.1
-40°	3560.4	3599.5	3617.5	3608.8	3617.5	3599.5	3560.4	3504.1	3428.7	3338.1	3239.5
-42.5°	3241.4	3277.4	3292.6	3280.0	3292.6	3277.4	3241.4	3192.4	3128.4	3052.2	2964.8
-45°	2927.9	2955.6	2966.4	2959.5	2966.4	2955.6	2927.9	2885.8	2829.5	2762.4	2685.8
-47.5°	2619.9	2646.6	2657.0	2650.0	2657.0	2646.6	2619.9	2582.2	2534.0	2473.1	2398.5
-50°	2327.2	2347.3	2355.4	2351.5	2355.4	2347.3	2327.2	2297.3	2256.5	2204.6	2144.8
-52.5°	2051.4	2068.0	2073.9	2069.7	2073.9	2068.0	2051.4	2025.6	1990.5	1946.4	1894.9
-55°	1786.0	1801.3	1807.2	1804.4	1807.2	1801.3	1786.0	1762.9	1732.4	1696.4	1653.4
-57.5°	1534.9	1546.9	1549.7	1544.7	1549.7	1546.9	1534.9	1516.6	1492.0	1462.7	1427.0
-60°	1307.3	1316.6	1321.3	1320.8	1321.3	1316.6	1307.3	1292.9	1273.6	1249.7	1220.9
-62.5°	1096.8	1102.8	1106.1	1105.3	1106.1	1102.8	1096.8	1086.5	1072.1	1053.9	1032.7
-65°	898.3	900.5	899.7	895.3	899.7	900.5	898.3	892.6	883.4	871.9	858.0
-67.5°	724.8	725.0	728.1	729.5	728.1	725.0	724.8	721.8	716.0	708.4	699.4
-70°	574.8	573.9	575.1	574.8	575.1	573.9	574.8	574.2	572.2	569.5	565.2
-72.5°	446.9	439.8	433.4	425.5	433.4	439.8	446.9	453.0	458.3	461.3	458.3
-75°	334.0	319.4	310.6	301.2	310.6	319.4	334.0	347.7	360.7	370.6	369.6
-77.5°	241.8	223.3	215.3	207.2	215.3	223.3	241.8	259.5	276.2	290.0	291.0
-80°	163.0	146.1	139.4	132.6	139.4	146.1	163.0	179.1	194.4	208.0	211.6
-82.5°	97.9	85.4	81.5	77.4	81.5	85.4	97.9	109.8	121.3	131.6	132.6
-85°	48.4	41.2	38.6	35.9	38.6	41.2	48.4	55.3	61.8	67.6	65.5
-87.5°	8.9	8.3	8.3	8.3	8.3	8.3	8.9	9.6	10.2	10.7	10.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.4	10.3	10.1	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.9
85°	63.3	60.8	58.2	55.4	52.5	49.4	46.2	40.5	35.2	30.3	26.1
82.5°	132.8	132.2	130.3	122.8	115.3	107.7	99.7	87.8	76.1	64.7	54.8
80°	214.2	215.6	214.2	201.7	189.0	176.2	162.7	145.3	127.7	111.0	98.4
77.5°	291.7	292.0	289.7	277.2	263.5	248.6	231.5	210.6	189.6	168.4	152.2
75°	367.7	365.2	359.9	348.5	334.8	318.7	302.0	283.6	262.1	237.4	216.3
72.5°	453.9	448.0	439.9	428.7	415.4	401.2	383.8	363.5	341.0	316.3	294.0
70°	558.5	549.3	537.1	521.8	506.8	491.2	472.5	450.2	424.0	396.8	371.8
67.5°	687.8	673.6	656.3	637.9	619.3	597.5	572.5	545.1	518.1	487.8	453.7
65°	840.8	820.2	795.1	771.3	745.3	717.0	685.1	653.4	620.3	583.9	540.6
62.5°	1008.9	982.8	948.8	914.2	878.9	842.6	803.4	764.5	724.9	682.1	633.4
60°	1187.2	1148.3	1109.1	1066.2	1019.7	970.9	926.4	879.1	829.1	780.6	727.1
57.5°	1384.8	1336.9	1285.7	1231.1	1173.2	1116.2	1058.6	999.1	942.5	883.5	822.9
55°	1603.8	1547.3	1483.1	1412.6	1339.6	1273.4	1201.4	1129.2	1061.1	989.4	922.7
52.5°	1837.1	1769.4	1694.9	1614.9	1531.9	1445.9	1358.4	1275.5	1186.8	1105.7	1025.1
50°	2077.7	2000.1	1914.3	1822.3	1730.0	1630.4	1530.2	1430.5	1330.1	1230.6	1134.0
47.5°	2322.0	2238.0	2142.6	2040.8	1935.1	1823.9	1709.9	1590.0	1478.9	1363.5	1253.8
45°	2590.5	2486.9	2380.0	2267.9	2147.0	2024.3	1896.4	1765.2	1631.5	1504.7	1376.0
42.5°	2860.7	2744.1	2620.5	2497.2	2365.3	2227.9	2085.3	1940.7	1793.7	1647.5	1506.8
40°	3129.7	3003.7	2868.8	2727.9	2584.1	2432.7	2276.5	2115.7	1956.2	1795.3	1636.2
37.5°	3404.9	3268.7	3122.7	2967.5	2806.4	2638.7	2466.8	2292.8	2116.9	1943.7	1771.1
35°	3687.2	3538.1	3376.9	3207.5	3030.2	2846.6	2658.0	2467.3	2278.1	2090.9	1903.9
32.5°	3966.9	3805.4	3631.6	3446.2	3251.0	3051.2	2848.5	2642.6	2435.4	2235.5	2036.4
30°	4249.1	4070.2	3881.9	3681.6	3470.0	3252.4	3032.8	2814.6	2593.8	2373.8	2163.2
27.5°	4525.5	4330.2	4125.7	3909.1	3683.0	3449.5	3213.6	2980.8	2745.3	2511.4	2284.2
25°	4794.5	4583.7	4358.0	4126.6	3886.9	3638.1	3384.5	3138.2	2892.3	2642.0	2392.9
22.5°	5053.4	4822.6	4579.4	4331.9	4079.7	3818.2	3547.8	3282.4	3027.9	2759.1	2498.8
20°	5292.1	5044.3	4784.6	4523.9	4257.3	3989.7	3699.9	3417.6	3143.8	2867.9	2594.8
17.5°	5504.0	5252.1	4979.7	4704.9	4421.1	4139.4	3842.1	3540.6	3250.6	2964.5	2679.3
15°	5690.7	5439.1	5163.2	4873.4	4570.3	4262.7	3962.5	3649.3	3347.8	3050.0	2757.4
12.5°	5860.2	5596.8	5321.4	5014.9	4693.1	4372.2	4060.0	3744.6	3434.3	3128.1	2827.7
10°	6012.4	5726.1	5434.6	5124.0	4795.8	4464.5	4143.1	3824.7	3507.9	3195.1	2885.6
7.5°	6116.7	5821.9	5520.7	5211.2	4882.5	4546.0	4214.9	3889.1	3565.3	3248.4	2930.8
5°	6193.7	5897.6	5595.4	5281.5	4949.8	4606.8	4267.9	3935.8	3606.2	3287.4	2963.0
2.5°	6252.8	5949.3	5646.4	5325.5	4993.4	4647.9	4305.7	3970.8	3638.6	3315.9	2991.4
0°	6294.7	5968.7	5675.7	5360.7	5020.9	4672.7	4330.0	3992.9	3658.6	3329.7	3006.4
-2.5°	6252.8	5949.3	5646.4	5325.5	4993.4	4647.9	4305.7	3970.8	3638.6	3315.9	2991.4
-5°	6193.7	5897.6	5595.4	5281.5	4949.8	4606.8	4267.9	3935.8	3606.2	3287.4	2963.0
-7.5°	6116.7	5821.9	5520.7	5211.2	4882.5	4546.0	4214.9	3889.1	3565.3	3248.4	2930.8
-10°	6012.4	5726.1	5434.6	5124.0	4795.8	4464.5	4143.1	3824.7	3507.9	3195.1	2885.6
-12.5°	5860.2	5596.8	5321.4	5014.9	4693.1	4372.2	4060.0	3744.6	3434.3	3128.1	2827.7
-15°	5690.7	5439.1	5163.2	4873.4	4570.3	4262.7	3962.5	3649.3	3347.8	3050.0	2757.4
-17.5°	5504.0	5252.1	4979.7	4704.9	4421.1	4139.4	3842.1	3540.6	3250.6	2964.5	2679.3
-20°	5292.1	5044.3	4784.6	4523.9	4257.3	3989.7	3699.9	3417.6	3143.8	2867.9	2594.8



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5053.4	4822.6	4579.4	4331.9	4079.7	3818.2	3547.8	3282.4	3027.9	2759.1	2498.8
-25°	4794.5	4583.7	4358.0	4126.6	3886.9	3638.1	3384.5	3138.2	2892.3	2642.0	2392.9
-27.5°	4525.5	4330.2	4125.7	3909.1	3683.0	3449.5	3213.6	2980.8	2745.3	2511.4	2284.2
-30°	4249.1	4070.2	3881.9	3681.6	3470.0	3252.4	3032.8	2814.6	2593.8	2373.8	2163.2
-32.5°	3966.9	3805.4	3631.6	3446.2	3251.0	3051.2	2848.5	2642.6	2435.4	2235.5	2036.4
-35°	3687.2	3538.1	3376.9	3207.5	3030.2	2846.6	2658.0	2467.3	2278.1	2090.9	1903.9
-37.5°	3404.9	3268.7	3122.7	2967.5	2806.4	2638.7	2466.8	2292.8	2116.9	1943.7	1771.1
-40°	3129.7	3003.7	2868.8	2727.9	2584.1	2432.7	2276.5	2115.7	1956.2	1795.3	1636.2
-42.5°	2860.7	2744.1	2620.5	2497.2	2365.3	2227.9	2085.3	1940.7	1793.7	1647.5	1506.8
-45°	2590.5	2486.9	2380.0	2267.9	2147.0	2024.3	1896.4	1765.2	1631.5	1504.7	1376.0
-47.5°	2322.0	2238.0	2142.6	2040.8	1935.1	1823.9	1709.9	1590.0	1478.9	1363.5	1253.8
-50°	2077.7	2000.1	1914.3	1822.3	1730.0	1630.4	1530.2	1430.5	1330.1	1230.6	1134.0
-52.5°	1837.1	1769.4	1694.9	1614.9	1531.9	1445.9	1358.4	1275.5	1186.8	1105.7	1025.1
-55°	1603.8	1547.3	1483.1	1412.6	1339.6	1273.4	1201.4	1129.2	1061.1	989.4	922.7
-57.5°	1384.8	1336.9	1285.7	1231.1	1173.2	1116.2	1058.6	999.1	942.5	883.5	822.9
-60°	1187.2	1148.3	1109.1	1066.2	1019.7	970.9	926.4	879.1	829.1	780.6	727.1
-62.5°	1008.9	982.8	948.8	914.2	878.9	842.6	803.4	764.5	724.9	682.1	633.4
-65°	840.8	820.2	795.1	771.3	745.3	717.0	685.1	653.4	620.3	583.9	540.6
-67.5°	687.8	673.6	656.3	637.9	619.3	597.5	572.5	545.1	518.1	487.8	453.7
-70°	558.5	549.3	537.1	521.8	506.8	491.2	472.5	450.2	424.0	396.8	371.8
-72.5°	453.9	448.0	439.9	428.7	415.4	401.2	383.8	363.5	341.0	316.3	294.0
-75°	367.7	365.2	359.9	348.5	334.8	318.7	302.0	283.6	262.1	237.4	216.3
-77.5°	291.7	292.0	289.7	277.2	263.5	248.6	231.5	210.6	189.6	168.4	152.2
-80°	214.2	215.6	214.2	201.7	189.0	176.2	162.7	145.3	127.7	111.0	98.4
-82.5°	132.8	132.2	130.3	122.8	115.3	107.7	99.7	87.8	76.1	64.7	54.8
-85°	63.3	60.8	58.2	55.4	52.5	49.4	46.2	40.5	35.2	30.3	26.1
-87.5°	10.4	10.3	10.1	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626971 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.0	8.0	8.0	7.9	7.0	6.2	5.4	4.7	4.2	3.8	3.3
85°	26.2	25.5	24.1	21.9	17.2	12.4	10.8	9.4	8.5	7.6	6.7
82.5°	54.6	55.1	55.1	53.5	47.2	40.6	33.6	26.5	19.6	12.5	10.0
80°	98.6	97.5	95.2	90.7	80.3	68.7	59.9	50.8	41.9	32.6	23.0
77.5°	149.0	144.7	139.5	133.6	122.7	109.8	95.0	78.2	64.1	52.6	40.7
75°	205.3	198.6	191.3	181.4	167.4	151.2	135.0	115.5	93.7	73.2	58.4
72.5°	276.0	259.6	245.0	231.2	215.9	197.9	177.2	152.0	125.6	100.7	77.3
70°	347.6	323.0	301.0	282.3	263.9	245.1	222.3	191.2	157.0	127.6	100.1
67.5°	420.3	391.2	361.8	333.7	310.5	288.4	266.4	230.3	191.0	153.9	122.3
65°	500.6	461.7	424.4	389.7	358.2	330.5	304.7	266.8	224.0	182.4	144.0
62.5°	583.2	533.7	489.5	445.2	406.0	372.3	341.3	299.5	255.6	209.8	166.6
60°	670.1	613.7	555.0	503.2	455.1	412.5	375.0	331.7	285.1	236.3	189.0
57.5°	761.6	695.3	629.3	563.9	506.2	455.0	407.8	362.3	314.1	262.3	210.0
55°	854.3	782.9	704.8	631.1	560.2	499.4	442.5	391.6	342.1	288.0	228.0
52.5°	947.1	868.7	784.9	699.7	620.4	544.2	480.7	420.2	367.9	313.0	246.8
50°	1044.2	954.3	864.5	772.4	680.2	596.8	517.5	453.0	393.0	336.8	264.6
47.5°	1145.3	1045.0	945.1	844.6	745.7	647.1	560.6	485.0	417.2	358.3	281.2
45°	1256.0	1138.8	1028.2	919.5	807.7	701.4	604.1	515.8	444.7	375.1	296.5
42.5°	1366.7	1237.8	1114.3	993.2	872.5	755.4	645.4	551.9	470.9	391.1	310.5
40°	1484.4	1337.2	1200.2	1068.9	935.9	806.7	691.2	587.1	495.5	407.8	323.9
37.5°	1598.9	1439.0	1288.4	1141.1	997.9	862.2	735.2	620.1	518.8	426.5	336.5
35°	1720.0	1541.2	1370.1	1213.8	1061.8	914.8	776.4	653.4	545.7	444.8	348.4
32.5°	1837.1	1641.2	1457.7	1285.5	1122.8	964.3	818.8	688.7	571.5	462.5	359.5
30°	1952.1	1741.7	1541.6	1353.3	1182.0	1016.3	861.2	721.6	596.1	479.5	370.6
27.5°	2058.1	1834.6	1622.0	1423.4	1240.0	1065.7	901.4	752.2	619.5	497.1	383.6
25°	2157.0	1924.1	1701.4	1490.8	1294.0	1112.4	938.3	780.5	643.4	515.4	395.6
22.5°	2249.6	2007.2	1773.3	1552.9	1343.9	1155.3	974.4	810.6	665.9	532.3	406.6
20°	2333.9	2082.0	1837.6	1609.2	1392.5	1196.2	1009.1	837.6	686.1	547.6	416.5
17.5°	2409.8	2150.4	1899.1	1661.8	1437.7	1232.5	1039.9	861.4	703.8	561.2	425.2
15°	2480.2	2212.5	1953.5	1707.8	1476.8	1264.2	1066.7	881.9	718.9	573.1	433.5
12.5°	2540.8	2265.8	1999.5	1746.8	1509.8	1290.9	1089.3	899.1	731.5	583.8	441.3
10°	2590.6	2309.9	2037.2	1778.8	1536.5	1312.7	1107.8	913.6	743.4	593.1	447.3
7.5°	2629.5	2344.3	2066.2	1803.4	1557.7	1330.9	1123.4	926.1	752.9	600.2	451.5
5°	2658.9	2371.3	2091.4	1824.0	1577.1	1345.6	1134.8	935.1	759.8	605.1	453.9
2.5°	2685.0	2391.5	2111.2	1837.4	1590.4	1355.2	1141.7	940.5	764.0	607.7	454.5
0°	2699.7	2401.3	2122.2	1843.1	1597.2	1359.5	1144.0	942.3	765.4	607.9	453.2
-2.5°	2685.0	2391.5	2111.2	1837.4	1590.4	1355.2	1141.7	940.5	764.0	607.7	454.5
-5°	2658.9	2371.3	2091.4	1824.0	1577.1	1345.6	1134.8	935.1	759.8	605.1	453.9
-7.5°	2629.5	2344.3	2066.2	1803.4	1557.7	1330.9	1123.4	926.1	752.9	600.2	451.5
-10°	2590.6	2309.9	2037.2	1778.8	1536.5	1312.7	1107.8	913.6	743.4	593.1	447.3
-12.5°	2540.8	2265.8	1999.5	1746.8	1509.8	1290.9	1089.3	899.1	731.5	583.8	441.3
-15°	2480.2	2212.5	1953.5	1707.8	1476.8	1264.2	1066.7	881.9	718.9	573.1	433.5
-17.5°	2409.8	2150.4	1899.1	1661.8	1437.7	1232.5	1039.9	861.4	703.8	561.2	425.2
-20°	2333.9	2082.0	1837.6	1609.2	1392.5	1196.2	1009.1	837.6	686.1	547.6	416.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2249.6	2007.2	1773.3	1552.9	1343.9	1155.3	974.4	810.6	665.9	532.3	406.6
-25°	2157.0	1924.1	1701.4	1490.8	1294.0	1112.4	938.3	780.5	643.4	515.4	395.6
-27.5°	2058.1	1834.6	1622.0	1423.4	1240.0	1065.7	901.4	752.2	619.5	497.1	383.6
-30°	1952.1	1741.7	1541.6	1353.3	1182.0	1016.3	861.2	721.6	596.1	479.5	370.6
-32.5°	1837.1	1641.2	1457.7	1285.5	1122.8	964.3	818.8	688.7	571.5	462.5	359.5
-35°	1720.0	1541.2	1370.1	1213.8	1061.8	914.8	776.4	653.4	545.7	444.8	348.4
-37.5°	1598.9	1439.0	1288.4	1141.1	997.9	862.2	735.2	620.1	518.8	426.5	336.5
-40°	1484.4	1337.2	1200.2	1068.9	935.9	806.7	691.2	587.1	495.5	407.8	323.9
-42.5°	1366.7	1237.8	1114.3	993.2	872.5	755.4	645.4	551.9	470.9	391.1	310.5
-45°	1256.0	1138.8	1028.2	919.5	807.7	701.4	604.1	515.8	444.7	375.1	296.5
-47.5°	1145.3	1045.0	945.1	844.6	745.7	647.1	560.6	485.0	417.2	358.3	281.2
-50°	1044.2	954.3	864.5	772.4	680.2	596.8	517.5	453.0	393.0	336.8	264.6
-52.5°	947.1	868.7	784.9	699.7	620.4	544.2	480.7	420.2	367.9	313.0	246.8
-55°	854.3	782.9	704.8	631.1	560.2	499.4	442.5	391.6	342.1	288.0	228.0
-57.5°	761.6	695.3	629.3	563.9	506.2	455.0	407.8	362.3	314.1	262.3	210.0
-60°	670.1	613.7	555.0	503.2	455.1	412.5	375.0	331.7	285.1	236.3	189.0
-62.5°	583.2	533.7	489.5	445.2	406.0	372.3	341.3	299.5	255.6	209.8	166.6
-65°	500.6	461.7	424.4	389.7	358.2	330.5	304.7	266.8	224.0	182.4	144.0
-67.5°	420.3	391.2	361.8	333.7	310.5	288.4	266.4	230.3	191.0	153.9	122.3
-70°	347.6	323.0	301.0	282.3	263.9	245.1	222.3	191.2	157.0	127.6	100.1
-72.5°	276.0	259.6	245.0	231.2	215.9	197.9	177.2	152.0	125.6	100.7	77.3
-75°	205.3	198.6	191.3	181.4	167.4	151.2	135.0	115.5	93.7	73.2	58.4
-77.5°	149.0	144.7	139.5	133.6	122.7	109.8	95.0	78.2	64.1	52.6	40.7
-80°	98.6	97.5	95.2	90.7	80.3	68.7	59.9	50.8	41.9	32.6	23.0
-82.5°	54.6	55.1	55.1	53.5	47.2	40.6	33.6	26.5	19.6	12.5	10.0
-85°	26.2	25.5	24.1	21.9	17.2	12.4	10.8	9.4	8.5	7.6	6.7
-87.5°	8.0	8.0	8.0	7.9	7.0	6.2	5.4	4.7	4.2	3.8	3.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	2.4	1.9	1.4	1.0	0.4	0.0
85°	5.7	4.8	3.9	2.9	1.9	0.8	0.0
82.5°	8.6	7.2	5.8	4.3	2.9	1.3	0.0
80°	12.9	9.6	7.7	5.8	3.8	1.7	0.0
77.5°	28.1	15.0	9.6	7.2	4.8	2.1	0.0
75°	42.9	25.9	12.5	8.6	5.7	2.5	0.0
72.5°	57.2	36.4	19.8	10.0	6.6	2.9	0.0
70°	71.5	46.6	26.9	12.0	7.5	3.3	0.0
67.5°	88.7	56.4	33.8	16.4	8.3	3.7	0.0
65°	105.2	67.3	40.3	20.6	9.2	4.0	0.0
62.5°	120.9	79.3	46.5	24.6	9.9	4.4	0.0
60°	135.6	90.7	52.3	28.4	10.7	4.8	0.0
57.5°	151.1	101.4	60.0	32.0	12.9	5.1	0.0
55°	165.8	111.3	67.5	35.4	15.0	5.4	0.0
52.5°	179.4	120.7	74.3	38.4	17.0	5.7	0.0
50°	191.9	130.7	80.7	41.3	18.9	6.0	0.0
47.5°	203.6	139.8	86.5	44.2	20.7	6.3	0.0
45°	216.6	148.1	91.7	48.0	22.5	6.6	0.0
42.5°	228.5	155.4	96.3	51.5	24.1	6.8	0.0
40°	239.3	161.8	100.9	55.1	25.7	7.0	0.0
37.5°	249.0	167.3	105.5	58.6	27.1	7.3	0.0
35°	257.5	173.6	109.4	61.9	28.5	7.5	0.0
32.5°	265.4	179.9	112.7	64.9	29.7	7.6	0.0
30°	273.6	185.3	115.4	67.7	30.9	7.8	0.0
27.5°	281.0	189.8	119.3	70.2	31.9	7.9	0.0
25°	287.5	193.3	123.1	72.4	32.8	8.1	0.0
22.5°	293.1	196.9	126.3	74.4	33.6	8.2	0.0
20°	297.7	201.8	129.1	76.1	34.3	8.2	0.0
17.5°	303.4	205.8	131.5	77.5	34.9	8.3	0.0
15°	309.3	208.9	133.4	78.7	35.4	8.4	0.0
12.5°	314.2	211.1	134.8	79.6	35.8	8.4	0.0
10°	317.9	212.5	135.8	80.2	36.0	8.4	0.0
7.5°	320.4	213.1	136.4	80.6	36.1	8.4	0.0
5°	321.7	212.8	136.5	80.7	36.2	8.4	0.0
2.5°	321.7	211.8	136.2	80.5	36.1	8.4	0.0
0°	320.5	210.0	135.4	80.1	35.9	8.3	0.0
-2.5°	321.7	211.8	136.2	80.5	36.1	8.4	0.0
-5°	321.7	212.8	136.5	80.7	36.2	8.4	0.0
-7.5°	320.4	213.1	136.4	80.6	36.1	8.4	0.0
-10°	317.9	212.5	135.8	80.2	36.0	8.4	0.0
-12.5°	314.2	211.1	134.8	79.6	35.8	8.4	0.0
-15°	309.3	208.9	133.4	78.7	35.4	8.4	0.0
-17.5°	303.4	205.8	131.5	77.5	34.9	8.3	0.0
-20°	297.7	201.8	129.1	76.1	34.3	8.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	293.1	196.9	126.3	74.4	33.6	8.2	0.0
-25°	287.5	193.3	123.1	72.4	32.8	8.1	0.0
-27.5°	281.0	189.8	119.3	70.2	31.9	7.9	0.0
-30°	273.6	185.3	115.4	67.7	30.9	7.8	0.0
-32.5°	265.4	179.9	112.7	64.9	29.7	7.6	0.0
-35°	257.5	173.6	109.4	61.9	28.5	7.5	0.0
-37.5°	249.0	167.3	105.5	58.6	27.1	7.3	0.0
-40°	239.3	161.8	100.9	55.1	25.7	7.0	0.0
-42.5°	228.5	155.4	96.3	51.5	24.1	6.8	0.0
-45°	216.6	148.1	91.7	48.0	22.5	6.6	0.0
-47.5°	203.6	139.8	86.5	44.2	20.7	6.3	0.0
-50°	191.9	130.7	80.7	41.3	18.9	6.0	0.0
-52.5°	179.4	120.7	74.3	38.4	17.0	5.7	0.0
-55°	165.8	111.3	67.5	35.4	15.0	5.4	0.0
-57.5°	151.1	101.4	60.0	32.0	12.9	5.1	0.0
-60°	135.6	90.7	52.3	28.4	10.7	4.8	0.0
-62.5°	120.9	79.3	46.5	24.6	9.9	4.4	0.0
-65°	105.2	67.3	40.3	20.6	9.2	4.0	0.0
-67.5°	88.7	56.4	33.8	16.4	8.3	3.7	0.0
-70°	71.5	46.6	26.9	12.0	7.5	3.3	0.0
-72.5°	57.2	36.4	19.8	10.0	6.6	2.9	0.0
-75°	42.9	25.9	12.5	8.6	5.7	2.5	0.0
-77.5°	28.1	15.0	9.6	7.2	4.8	2.1	0.0
-80°	12.9	9.6	7.7	5.8	3.8	1.7	0.0
-82.5°	8.6	7.2	5.8	4.3	2.9	1.3	0.0
-85°	5.7	4.8	3.9	2.9	1.9	0.8	0.0
-87.5°	2.9	2.4	1.9	1.4	1.0	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)